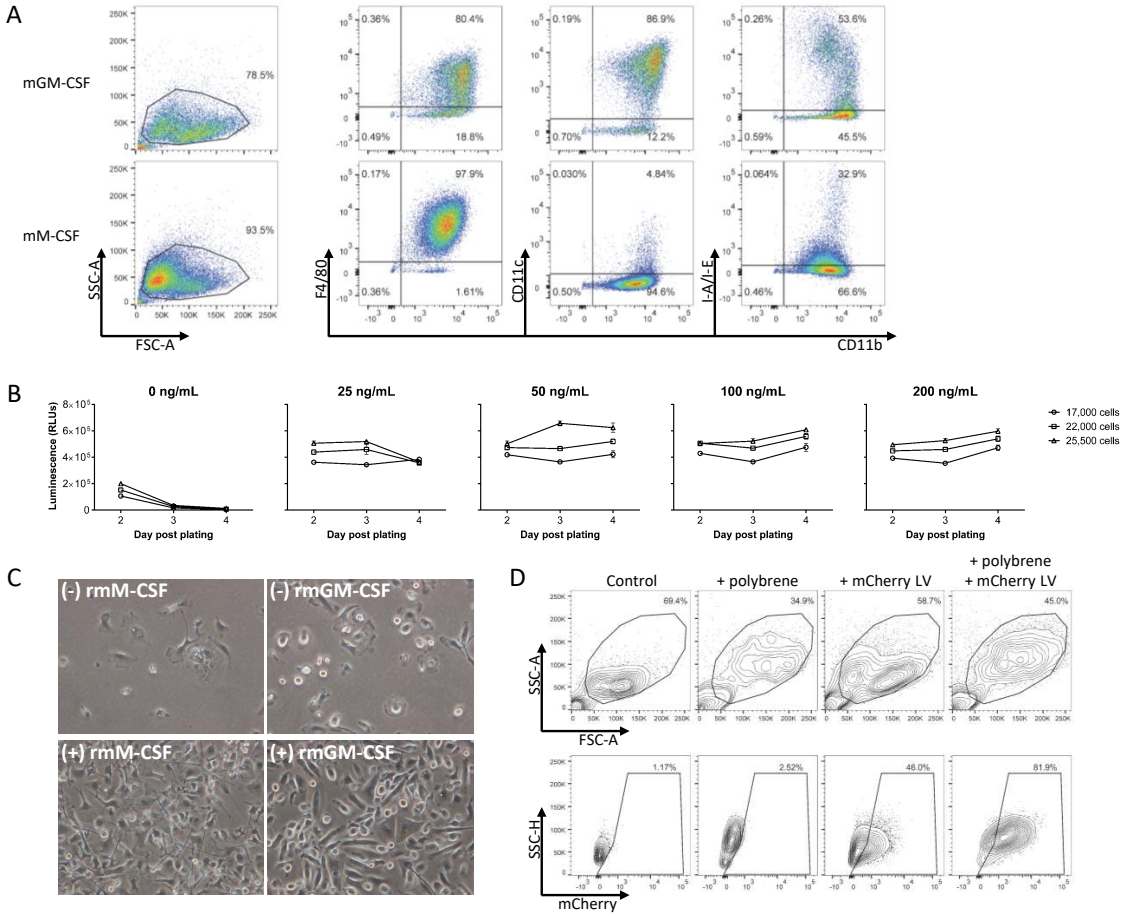

Supplementary Figure 4 Production of mouse GEMs requires mM-CSF for survival and polybrene for transduction. (A) C57BL/6J mouse bone marrow cells were differentiated using 20 ng/mL mM-CSF or mGM-CSF for 6 days and expression of F4/80, CD11c, MHC-II (I-A/I-E), and CD11b measured by flow cytometry. Showing representative results from n = 2 independent experiments (bone marrow from either 1 mouse or 2 pooled mice). (B) C57BL/6J mouse bone marrow cells were differentiated using 100 ng/mL mM-CSF and 1.7 x 10^4, 2.2 x 10^4, or 2.55 x 10^4 macrophages cultured with 0, 25, 50, 100, or 200 ng/mL mM-CSF. The CellTiter-Glo assay was used to measure ATP as a proxy for cell viability 2, 3, or 4 days after re-plating. Each data point represents the mean (SD) of n = 6 technical replicates (n = 1 mouse, 1 experiment). (C) C57BL/6J mouse bone marrow cells were differentiated using 20 ng/mL mM-CSF or mGM-CSF for 6 days. On day 6, culture was continued in the presence or absence of cytokine and images taken on day 12 (n = 1 mouse, 1 experiment). (D) Size, granularity, and mCherry expression of mouse GEMs 7 days following transduction of C57BL/6J mouse BMDMs (2000 LPs/initially plated bone marrow cells). Size and granularity data are representative of n = 3 independent experiments, mCherry data is from n = 1 experiment (bone marrow from at least 2 mice pooled for each experiment).